BY ORDER OF THE SECRETARY OF THE AIR FORCE

DRAFT

AFMS 44EF
xx xxxxxx 2000

Manpower Standard

FIRE PROTECTION FLIGHT

OPR: AFMIA/MIRA (Mr. Luis Jimenez) Certified by: HQ AFMIA/MIR (Lt Col Carroll)
Supersedes AFMS 44EF, 11 September 1996 Pages: 39
Distribution: F

★This Air Force Manpower Standard (AFMS) quantifies the manpower required to accomplish the tasks described in the process-oriented description for varying levels of workload. Installation fire departments provide dedicated resources to fully protect life, resources, and the environment from the unfavorable outcomes of fire, natural and hazardous material disasters, and emergency medical responses, while ensuring mission continuity during war and peace. This is accomplished through daily preparation, education, and training of Air Force Firefighters to support the mission by providing ready, quality, and professional services. This AFMS defines the manpower allowed to support an Objective Wing Fire Protection Flight at Air Mobility Command, Air Combat Command, US Air Forces Europe, Pacific Air Forces, Air Education and Training Command, Air Force District of Washington, Air Force Academy, Air Force Space Command, Special Operations Command, and Air Force Materiel Command locations. It does not apply to Air National Guard or Air Force Reserve bases. This AFMS does not apply to flights that have been cost compared (OMB Circular A-76). Bases should develop negative variances to account for processes not performed or performed by contract and positive variances for processes performed but not included in the AFMS. This AFMS does not apply to locations on the base closure list. This AFMS applies to peacetime operations only. The 23 and 32 series of Air Force publications contain USAF policy and procedural guidance for the Fire Protection Flight. This AFMS has been developed in accordance with policies and procedures contained in AFMAN 38-208, *Air Force Management Engineering Program (MEP)* or AFI 38-201, *Determining Manpower Requirements*. Send comments and suggested improvements on AF Form 847, **Recommendation for Change of Publication**, through channels, to AFMIA/MIR, 550 E Street East, Randolph AFB, Texas 78150-4451.

★*SUMMARY OF REVISIONS*

This AFMS supersedes AFMS 44EF, 11 September 1996. It includes the new vehicle set authorizations. Changes the source of impact from Air Force Allowance Standard (AS) 012 to AS 019. It outlines the manpower allowed as the new P-XX aircraft rescue fire fighting vehicle is delivered. The changes to the variances are to redistribute the manpower to the appropriate bases. Changes are identified with a star (★).

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1. Core Composition.

★1.1. Core Manpower Requirement Vehicle Set #1. 50

★1.1.1. Core Manpower Requirement Vehicle Set #1 with P-XX. 44

★1.2. Core Manpower Requirement Vehicle Set #2. 55

★1.2.1. Core Manpower Requirement Vehicle Set #2 with P-XX. 47

★1.3. Core Manpower Requirement Vehicle Set #3. 57

★1.3.1. Core Manpower Requirement Vehicle Set #3 with P-XX. 55

★1.4. Core Manpower Requirement Vehicle Set #4. 57

★1.5. Core Manpower Requirement Vehicle Set #5. 65

★1.6. Core Structural Fire Department Non-Flying Installation. 42

★1.7. Core Manpower Range. 22-222

1.8. Programming Factor. None

2. Standard Data:

2.1. Approval Date. 5 June 1996

★2.2. Manpower Data Source. Workshop measurement, position manning, DoDI 6055.6, Department of Labor, Occupational Safety and Health Administration Code of Federal Regulations (CFRs), and National Fire Protection Association (NFPA) Standards.

2.3. Manpower Equation:

★2.3.1. For all Core Vehicle Set #1 Fire Protection Flights Y = 50 (Attachment 4) Definition. Per revised Allowance Standard 019, installations with permanently assigned aircraft with overall length up to but not including 78 feet (some examples include the A-10, C-12, C-21, C-27, F-15, F-16, F-22, F-117, T-1, T-37, and T-38 (see vehicle set #5 for the B-2)) will be authorized a minimum of three P-19 aircraft rescue and fire fighting (ARFF) vehicles and staffing for two P-19's (one P-19 is a reserve vehicle) and manning for the P-18/26 tanker. Upon receipt of the P-19 replacement (P-XX) ARFF vehicles, the staffing will change to 12.905 firefighters (two P-19's (2 positions each) and one P-18/26 (1 position), 5 x 2.581 = 12.905), see attachment #5. Installation Commanders and MAJCOM Civil Engineer, Safety, and Operations Directors validate and approve additional support for transient aircraft.

★2.3.2. For all Core Vehicle Set #2 Fire Protection Flights Y = 55 (Attachment 6) Definition. Per revised Allowance Standard 019, installations with permanently assigned large frame aircraft with an overall length greater than 78 feet up to but not including 150 feet (some examples include C-9, C-20, C-130, 737, and MD-80 (see vehicle set #3 for the AC-130)) will be assigned a minimum of one P-23 and two P-19 ARFF vehicles and staffing for each vehicle (3 x PMF (2.581) = 7.743 x 3 = 23.229 shift firefighters). Upon receipt of the P-19 replacement (P-XX) ARFF vehicles, the staffing will change to 15.486 firefighters (P-23 (3 positions), P-XX (2 positions), and the P-18/26 (one position), 6 x 2.581 = 15.486), see attachment #7. Installation Commanders and MAJCOM Civil Engineer, Safety, and Operations Directors validate and approve additional support for transient aircraft.

★2.3.3. For all Core Vehicle Set #3 Fire Protection Flights Y = 57 (Attachment 8) Definition. Per revised Allowance Standard 019, installations with permanently assigned aircraft with an overall length of 150 feet up to but not including 200 feet (some examples include AC-130, B-1, B-52, C-17, C-141, KC-135, L-1011, MD-90, 727, and 767 (see vehicle set #4 for the KC-10)) will be assigned a minimum of two P-23s, one P-19 ARFF vehicles and one P-18/26 and staffing for each vehicle (3 x 2.581 = 7.743 x 3 (ARFF Vehicles) = 23.229 + 2.581 (tanker) = 25.810 shift firefighters). Upon receipt of the P-19 replacement (P-XX) ARFF vehicle, the staffing will change to 23.229 shift firefighters (6 x 2.581 = 23.229 (two P-23 (3 positions each), one P-XX (2 positions) and one P-18/26 (1 position)), see attachment #9. Installation Commanders and MAJCOM Civil Engineer, Safety, and Operations Directors validate and approve additional support for transient aircraft.

★2.3.4. For all Core Vehicle Set #4 Fire Protection Flights Y = 57 (Attachment 10) Definition. Per revised Allowance Standard 019, installations with permanently assigned aircraft with an overall length of 200 feet up to but not including 250 feet (some examples include E-4, KC-10, MD-11, 747, and 777) will be assigned a minimum of three P-23 ARFF vehicles and one P-18/26 tanker and staffing (3 x 2.581 = 7.743 x 3 (ARFF vehicles) = 23.229 + 2.581 (tanker) = 25.810 shift firefighters). Installation Commanders and MAJCOM Civil Engineer, Safety and Operations Directors validate and approve additional support for transient aircraft.

★2.3.5. For all Core Vehicle Set #5 Fire Protection Flights Y = 65 (Attachment 11) Definition. Per revised Allowance Standard 019, installations with permanently assigned aircraft with an overall length of 250 feet up to but not including 300 feet, and/or over 23 feet in width (some examples include B-2, C-5, and VC-25) will be assigned a minimum of four P-23 ARFF vehicles and one P-18/26 tanker and staffing (3 x 2.581 = 7.743 x 4 (ARFF vehicles) = 30.972 + 2.581 (tanker) = 33.553 shift firefighters). Installation Commanders and MAJCOM Civil Engineer, Safety, and Operations Directors validate and approve additional support for transient aircraft.

★2.3.6. For all Core Structural Non-Flying Installation Fire Protection Flights Y = 42 (Attachment 12) Definition. Installations with a non-flying mission do not earn the three P-19s or the one P-18/26 vehicles listed in the core vehicle set 1 (attachment 4). Since cross-manning capability doesn't exist at non-flying bases, unlike bases authorized a full core vehicle set, manning for these structural vehicles would start at the first vehicle earned.

2.3.7. While the Fire Departments at the following locations are part of an objective civil engineer squadron, they do not perform all flight processes in the same manner as the normal objective flight. Consequently, the equation in paragraphs 2.3.1 – 2.3.6 above do not apply. The equations for these flights are expressed in terms of Y = a, where "a" is the constant manpower allowed to the flight to perform its nonstandard processes.

Table 1
Fire Departments with a Constant Manpower

	Installation	Requirement
★	Avon Park	Y = 37
★	Cheyenne Mountain	Y = 25
★	Chievres	Y = 22
	Goodfellow	Y = 34
★	Lajes Field	Y = 82
★	North Field	Y = 29
★	Okuma	Y = 06
★	RAF Fairford	Y = 38
★	Rhein Main, GE	Y = 38
★	Schriever (formerly Falcon)	Y = 33

2.4. Workload Factor. None.

2.5. Points of Contact:

★2.5.1. Functional Representative. MSgt Mark Captain, HQ AFCESA/CEXF, 523-6152.

★2.5.2. AFMIA Representative. Mr. Luis Jimenez, AFMIA/MIRA, 487-2084 ext 3130.

3. Application Instructions:

★3.1. Step 1. Determine core vehicle set for the location as specified in paragraph 2.3. above.

3.2. Step 2. Determine variance fractional manpower requirements applicable to the location (Attachment 14). Add or subtract these variance requirements to or from the "core" computed in paragraph 3.1. above to determine total manpower. Round up to a whole manpower requirement.

3.3. Step 3. Determine skill and grade distribution using the Standard Manpower Tables at Attachment 3.

4. Statement of Conditions:

★4.1. Manpower required for Fire Operations is based on the risk assumption that incidents involving real property, hazardous materials, emergency medical responses, confined space rescue and aircraft will not occur simultaneously except when they are involved in the same incident.

4.2. Actual assignment of personnel for all vehicles will be provided through cross-manning.

4.3. The first CMSgt may be assigned the additional duty of advisor to the commander.

4.4. This flight normally operates 24 hours a day, 7 days a week.

★4.5. Manpower estimates for the nonstandard flights (paragraph 2.3.7) have been approved by HQ USAF/ILE. Estimates include core and variance workload, as well as indirect man-hours.

4.6. All processes and variances include indirect man-hours.

4.7. The position manning factor (2.581) used in the computations of the core requirement, as well as variance manpower requirements, was based upon a 72-hour workweek man-hour availability factor (MAF) of 283. The MAF was developed by AFMIA and has been approved by HQ USAF/XPM.

4.8. The following policy was developed to ensure appropriate military and civilian experience levels, career progression, and force balance. Fire Departments that have been converted to all civilian or all military, may be exempted from this policy with MAJCOM and AFCESA approval.

4.8.1. Each Fire Department will have one station chief position for each operational shift. Fifty percent of the station chief positions will be designated 3E771 military positions. These positions have supervisory responsibility for a shift or fire station. These two positions are part of the “core vehicle set” manpower requirements as defined in Attachments 4 through 12.

4.8.2. Each Fire Department will have a minimum of one of the two Assistant Chief for Operations positions, defined in the “management” manpower requirements portion of the appropriate attachment, designated as military, 3E771, MSgts. The overall objective is to designate a minimum of 50% of the Assistant Chief positions as military.

4.8.3. When there is a civilian fire chief, the assistant fire chief of readiness and logistics will be designated a military 3E791 position. When there is a military fire chief, the

assistant chief of readiness and logistics position will be designated a civilian position. These senior assistant fire chief positions have supervisory responsibility for the entire fire protection flight.

★4.8.4. Each fire department will establish a designated hazmat and safety officer. The same person may perform both duties. This is not a positive mission variance, the position(s) must come out of the existing core manpower requirements as defined in Attachments 4 through 12.

★4.8.5. The fire chief is authorized to assign additional personnel to training and logistics as needed. This is not a positive mission variance, the position(s) must come out of the existing core manpower requirements as defined in Attachments 4 through 12.

4.8.6. As the P-19 aircraft rescue fire fighting (ARFF) vehicle is replaced with new P-XX ARFF vehicles, the manpower will change from three to two positions (only for the P-19 ARFF replacement vehicle).

★4.8.7. The P-19 and P-23 ARFF vehicles will be assigned three manpower positions for each vehicle per shift 3 x 2.581 (MPF) = 7.743.

★4.8.8. The Air Force minimum number and types of ARFF, structural, and support vehicles are outlined in Air Force Allowance Standard 019. The minimum ARFF and structural fire suppression vehicles and staffing are based upon OSHA regulatory requirements, national consensus standards and DoDI 6055.6. The National Consensus Standards are NFPA Standards 403, 1500, and the NFPA handbook. Installation Commanders approve and MAJCOM Directors of Safety, Operations, Transportation, and Civil Engineering validate increased capability for unique mission requirements.

DOUGLAS W. CARROLL, Lt Col, USAF
Chief, Requirements Determination and
Utilization Division

Attachments
1. Glossary of References and Supporting Information
2. Process Oriented Description
3. Standard Manpower Table
4. Core Vehicle Set #1 – Vehicle and Manpower Requirements
5. Core Vehicle Set #1 – Vehicle and Manpower Requirements (P-XX)
6. Core Vehicle Set #2 – Vehicle and Manpower Requirements
7. Core Vehicle Set #2 – Vehicle and Manpower Requirements (P-XX)
8. Core Vehicle Set #3 – Vehicle and Manpower Requirements
9. Core Vehicle Set #3 – Vehicle and Manpower Requirements (P-XX)

10. Core Vehicle Set #4 – Vehicle and Manpower Requirements
11. Core Vehicle Set #5 – Vehicle and Manpower Requirements
12. Core Structural Fire Department Vehicle and Manpower Requirements Non-Flying Installations
13. Variance Applicability Matrix
14. Variances

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

DoDI 6055.6, *DoD Fire and Emergency Services Program*

Mil-Hdbk-1008C, *Fire Protection for Facilities Engineering, Design, and Construction*

AFI 38-201, *Determining Manpower Requirements*
AFMAN 38-208, *Air Force Management Engineering Program (MEP)*
AS 019, *Vehicle Fleet (Registered) All MAJCOM Common*

Abbreviations and Acronyms

AFCESA	Air Force Civil Engineer Support Agency
AFMIA	Air Force Manpower and Inovation Agency
AFMS	Air Force Manpower Standard
ARFF	Aircraft Rescue and Fire Fighting
AS	Allowance Standard
BCE	Base Civil Engineer
CFC	Chloro-Fluoro Carbon
CFR	Code of Federal Regulations
DoDI	Department of Defense Instruction
FACC	Fire Alarm Communications Center
GSUs	Geographically Separated Units
HAZMAT	Hazardous Material
ICT	Integrated Combat Turn
MAJCOM	Major Command
MAF	Man-hour Availability Factor
MEP	Management Engineering Program
MFH	Military Family Housing
Mil-Hdbk	Military Handbook
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PMF	Position Manning Factor

Attachment 2

PROCESS ORIENTED DESCRIPTION

FIRE PROTECTION FLIGHT

A1.1. EMERGENCY AIRCRAFT AND RESCUE RESPONSE:

A1.1.1. RECEIVES NOTIFICATION OF EMERGENCY.
A1.1.2. DISPATCHES FIRE FIGHTING AND RESCUE CREW AND EQUIPMENT.
A1.1.3. ESTABLISHES COMMAND AND CONTROL OF FIRE FIGHTING AND RESCUE CREW AT SITE.
A1.1.4. ACHIEVES INITIAL FIRE KNOCKDOWN.
A1.1.5. RESCUES PEOPLE.
A1.1.6. RESUPPLIES FIRE FIGHTING CREW WITH AGENT AND OTHER CONSUMABLES.
A1.1.7. CONFINES, CONTROLS, AND SUPPRESSES FIRE.
A1.1.8. EXTINGUISHES FIRE.
A1.1.9. PERFORMS INITIAL SALVAGE WITH AIRCRAFT FIRE FIGHTING CREW.
A1.1.10. TERMINATES EMERGENCY AND RELEASES AIRCRAFT TO COMMANDER FOR INVESTIGATION AND RECOVERY.
A1.11. COMPLETES AFTER-ACTION REPORT AND ASSISTS ACCIDENT INVESTIGATION BOARD.

A1.2. EMERGENCY INTERVENTION RESPONSE:

A1.2.1. NOTIFIES FIRE FIGHTING CREW TO PROVIDE FIRE PROTECTION FOR INTEGRATED COMBAT TURNAROUND (ICT) OPERATIONS.
A1.2.2. DONS PROTECTIVE CLOTHING AND RESPONDS TO STANDBY LOCATION.
A1.2.3. POSITIONS VEHICLE AND PREPARES STRATEGY FOR FIRE ATTACK.
A1.2.4. COMMUNICATES TYPE AND NUMBER OF WEAPONS, AIRCREW, AND GROUND SUPPORT PERSONNEL, AIRCRAFT TAIL NUMBER AND SPECIAL CONDITIONS.
A1.2.5. MONITORS ICT OPERATION.
A1.2.6. COMMUNICATES TERMINATION OF OPERATION.
A1.2.7. RETURNS TO FIRE STATION AND PREPARES FOR NEXT RESPONSE.

A1.3. STRUCTURAL EMERGENCY AND RESCUE RESPONSE:

A1.3.1. RECEIVES NOTIFICATION OF STRUCTURAL FIRE INCIDENT.
A1.3.2. DISPATCHES FIRE FIGHTING AND RESCUE CREW AND EQUIPMENT.
A1.3.3. ESTABLISHES COMMAND AND CONTROL OF FIRE CREW AND FIRE SCENE.
A1.3.4. POSITIONS VEHICLES, TOOLS, AND EQUIPMENT, AND INITIATES INTERIOR FIRE ATTACK.
A1.3.5. PREPARES FOR FACILITY ENTRY AND RESCUE OPERATIONS.
A1.3.6. USES AIRCRAFT FIRE FIGHTING CREW TO PROVIDE SUPPORT.

A1.3.7. CONFINES, CONTROLS, AND SUPPRESSES FIRE.
A1.3.8. EXTINGUISHES FIRE AND PERFORMS SALVAGE OPERATION.

A1.4. EMERGENCY HAZARDOUS MATERIAL (HAZMAT) RESPONSE:
A1.4.1. RECEIVES NOTIFICATION OF HAZMAT INCIDENT.
A1.4.2. DISPATCHES CREW AND EQUIPMENT.
A1.4.3. ESTABLISHES MITIGATION REQUIREMENT AND COMMAND.
A1.4.4. INITIATES ISOLATION AND CONTAINMENT.
A1.4.5. PREPARES FOR ENTRY, RESCUE, AND RECONNAISSANCE OPERATION.
A1.4.6. TERMINATES EMERGENCY AND PERFORMS POST-INCIDENT INVESTIGATION.
A1.4.7. COMPLETES AFTER-ACTION REPORT.

A1.5. FIRE PREVENTION, EDUCATION, AND TRAINING PROGRAMS:
A1.5.1. DEVELOPS INSPECTION SCHEDULE.
A1.5.2. COORDINATES INSPECTIONS WITH THE FACILITY MANAGER.
A1.5.3. REVIEWS FACILITY FOLDER.
A1.5.4. TRAVELS TO FACILITY.
A1.5.5. COMPLETES AND FORWARDS INSPECTION REPORT FOR REVIEW AND ACTION.
A1.5.6. CONDUCTS FIRE PREVENTION EDUCATION.
A1.5.7. ESTABLISHES A FIRE PROTECTION ENGINEERING REVIEW PROCESS.
A1.5.8. EXECUTES EXTINGUISHER MAINTENANCE PROGRAM.

Attachment 3

STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			**APPLICABILITY MAN-HOUR RANGE** 22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS									
Fire Protection Supt	3E791	SMS							1	1	1
Fire Protection Crftmn	3E771	MSG	3	3	3	3	3	3	3	3	3
Fire Protection Crftmn	3E771	TSG	5	5	5	5	5	5	5	5	6
Fire Protection Jrnymn	3E751	SSG	8	8	8	8	9	9	9	9	9
Fire Protection Jrnymn	3E751	SRA	4	4	5	5	5	6	6	6	6
Fire Protection Apr	3E731	A1C	2	3	3	4	4	4	4	5	5
Information Mgt Jrnymn	3A051	SSG									
TOTAL			22	23	24	25	26	27	28	29	30
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS									
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	3	3	3	3	3	4	4	4	4
Fire Protection Crftmn	3E771	TSG	6	6	6	6	6	6	6	6	6
Fire Protection Jrnymn	3E751	SSG	9	9	9	10	10	10	10	10	10
Fire Protection Jrnymn	3E751	SRA	7	7	7	8	8	8	9	9	10
Fire Protection Apr	3E731	A1C	5	6	6	6	7	7	7	8	8
Information Mgt Jrnymn	3A051	SSG									
TOTAL			31	32	33	34	35	36	37	38	39

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			**APPLICABILITY MAN-HOUR RANGE** 22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS					1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	4	4	4	4	4	4	4	4	4
Fire Protection Crftmn	3E771	TSG	6	6	6	6	6	6	6	6	6
Fire Protection Jrnymn	3E751	SSG	11	11	11	11	11	11	11	12	12
Fire Protection Jrnymn	3E751	SRA	10	10	10	11	11	11	12	12	12
Fire Protection Apr	3E731	A1C	8	9	9	9	9	10	10	10	11
Information Mgt Jrnymn	3A051	SSG			1	1	1	1	1	1	1
TOTAL			40	41	42	43	44	45	46	47	48
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	4	4	4	4	4	4	4	4	4
Fire Protection Crftmn	3E771	TSG	6	6	6	6	6	6	6	6	7
Fire Protection Jrnymn	3E751	SSG	12	12	12	12	12	13	13	13	13
Fire Protection Jrnymn	3E751	SRA	13	13	14	14	15	15	15	16	16
Fire Protection Apr	3E731	A1C	11	12	12	13	13	13	14	14	14
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			49	50	51	52	53	54	55	56	57

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			APPLICABILITY MAN-HOUR RANGE 22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	4	4	4	4	4	4	5	5	5
Fire Protection Crftmn	3E771	TSG	7	7	7	7	7	7	7	7	7
Fire Protection Jrnymn	3E751	SSG	13	13	13	14	14	14	14	14	14
Fire Protection Jrnymn	3E751	SRA	16	17	17	17	18	18	18	19	19
Fire Protection Apr	3E731	A1C	15	15	16	16	16	17	17	17	18
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			58	59	60	61	62	63	64	65	66
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	5	6	6	6	6	6	6	6	6
Fire Protection Crftmn	3E771	TSG	7	7	7	7	7	7	7	7	7
Fire Protection Jrnymn	3E751	SSG	14	14	14	14	14	14	14	14	15
Fire Protection Jrnymn	3E751	SRA	20	20	20	21	21	22	22	22	22
Fire Protection Apr	3E731	A1C	18	18	19	19	20	20	21	22	22
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			67	68	69	70	71	72	73	74	75

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			**APPLICABILITY MAN-HOUR RANGE**								
Fire Protection Flight/44EF			22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	6	6	6	6	6	6	6	6	6
Fire Protection Crftmn	3E771	TSG	7	7	7	7	7	7	7	7	8
Fire Protection Jrnymn	3E751	SSG	15	15	15	15	15	15	16	16	16
Fire Protection Jrnymn	3E751	SRA	22	23	23	24	24	24	24	25	25
Fire Protection Apr	3E731	A1C	23	23	24	24	25	26	26	26	26
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			76	77	78	79	80	81	82	83	84
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	6	6	6	6	6	6	6	7	7
Fire Protection Crftmn	3E771	TSG	8	8	8	8	8	8	9	9	9
Fire Protection Jrnymn	3E751	SSG	16	16	16	16	17	17	17	17	17
Fire Protection Jrnymn	3E751	SRA	25	25	26	26	26	26	26	26	27
Fire Protection Apr	3E731	A1C	27	28	28	29	29	30	30	30	30
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			85	86	87	88	89	90	91	92	93

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			APPLICABILITY MAN-HOUR RANGE 22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	7	7	7	7	7	7	7	7	8
Fire Protection Crftmn	3E771	TSG	9	9	9	9	9	9	9	9	9
Fire Protection Jrnymn	3E751	SSG	17	17	18	18	18	18	18	18	18
Fire Protection Jrnymn	3E751	SRA	27	28	28	28	29	29	29	29	29
Fire Protection Apr	3E731	A1C	31	31	31	32	32	33	34	35	35
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			94	95	96	97	98	99	100	101	102
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	8	8	8	8	8	8	8	8	8
Fire Protection Crftmn	3E771	TSG	9	9	9	9	9	9	9	10	10
Fire Protection Jrnymn	3E751	SSG	19	19	19	20	20	20	21	21	21
Fire Protection Jrnymn	3E751	SRA	29	29	29	29	30	30	30	30	30
Fire Protection Apr	3E731	A1C	35	36	37	37	37	38	38	38	39
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			103	104	105	106	107	108	109	110	111

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STANDARD MANPOWER TABLE

WORK CENTER/FAC			**APPLICABILITY MAN-HOUR RANGE**								
Fire Protection Flight/44EF			22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	8	9	9	9	9	9	9	9	9
Fire Protection Crftmn	3E771	TSG	10	10	10	10	10	10	10	10	10
Fire Protection Jrnymn	3E751	SSG	21	21	21	22	22	22	22	22	22
Fire Protection Jrnymn	3E751	SRA	30	30	30	30	31	31	32	32	32
Fire Protection Apr	3E731	A1C	40	40	41	41	41	42	42	43	44
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			112	113	114	115	116	117	118	119	120
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	9	9	9	9	10	10	10	10	10
Fire Protection Crftmn	3E771	TSG	10	11	11	11	11	11	11	12	12
Fire Protection Jrnymn	3E751	SSG	22	22	23	23	23	23	23	23	23
Fire Protection Jrnymn	3E751	SRA	33	33	33	34	34	35	35	35	36
Fire Protection Apr	3E731	A1C	44	44	44	44	44	44	45	45	45
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			121	122	123	124	125	126	127	128	129

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STANDARD MANPOWER TABLE

WORK CENTER/FAC	APPLICABILITY MAN-HOUR RANGE
Fire Protection Flight/44EF	22 - 222

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	10	10	10	10	10	10	10	10	10
Fire Protection Crftmn	3E771	TSG	12	12	12	12	13	13	13	13	13
Fire Protection Jrnymn	3E751	SSG	24	24	24	24	24	24	24	25	25
Fire Protection Jrnymn	3E751	SRA	36	37	37	38	38	38	38	38	39
Fire Protection Apr	3E731	A1C	45	45	46	46	46	47	48	48	48
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			130	131	132	133	134	135	136	137	138

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	10	10	10	10	10	10	10	10	10
Fire Protection Crftmn	3E771	TSG	13	13	13	13	13	13	13	13	13
Fire Protection Jrnymn	3E751	SSG	26	26	26	26	26	27	27	27	27
Fire Protection Jrnymn	3E751	SRA	39	40	40	41	41	41	42	42	43
Fire Protection Apr	3E731	A1C	48	48	49	49	50	50	50	51	51
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			139	140	141	142	143	144	145	146	147

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STANDARD MANPOWER TABLE

WORK CENTER/FAC			**APPLICABILITY MAN-HOUR RANGE**								
Fire Protection Flight/44EF			22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	10	10	10	10	10	10	10	10	10
Fire Protection Crftmn	3E771	TSG	14	14	14	14	14	14	14	14	14
Fire Protection Jrnymn	3E751	SSG	27	27	27	28	28	28	28	28	28
Fire Protection Jrnymn	3E751	SRA	43	43	44	44	45	45	45	46	46
Fire Protection Apr	3E731	A1C	51	52	52	52	52	53	54	54	55
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			148	149	150	151	152	153	154	155	156
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	10	10	10	10	10	10	10	10	10
Fire Protection Crftmn	3E771	TSG	14	14	14	15	15	15	15	15	15
Fire Protection Jrnymn	3E751	SSG	28	29	29	29	29	29	29	29	30
Fire Protection Jrnymn	3E751	SRA	47	47	47	47	48	48	49	49	49
Fire Protection Apr	3E731	A1C	55	55	56	56	56	57	57	58	58
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			157	158	159	160	161	162	163	164	165

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			APPLICABILITY MAN-HOUR RANGE 22 - 222								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	10	10	11	11	11	11	11	11	11
Fire Protection Crftmn	3E771	TSG	15	15	15	15	15	15	15	15	16
Fire Protection Jrnymn	3E751	SSG	30	30	30	30	30	30	31	31	31
Fire Protection Jrnymn	3E751	SRA	50	50	50	50	51	51	51	51	51
Fire Protection Apr	3E731	A1C	58	59	59	60	60	61	61	62	62
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			166	167	168	169	170	171	172	173	174
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	11	11	11	11	11	11	11	11	11
Fire Protection Crftmn	3E771	TSG	16	16	16	16	16	16	16	16	16
Fire Protection Jrnymn	3E751	SSG	31	31	31	31	32	32	32	32	32
Fire Protection Jrnymn	3E751	SRA	52	52	53	53	53	54	54	54	54
Fire Protection Apr	3E731	A1C	62	63	63	64	64	64	65	66	67
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			175	176	177	178	179	180	181	182	183

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			**APPLICABILITY MAN-HOUR RANGE**								
Fire Protection Flight/44EF			22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	11	11	11	11	11	11	11	11	11
Fire Protection Crftmn	3E771	TSG	16	16	16	16	16	17	17	17	17
Fire Protection Jrnymn	3E751	SSG	32	32	33	33	33	33	33	33	33
Fire Protection Jrnymn	3E751	SRA	54	55	55	55	55	55	55	55	56
Fire Protection Apr	3E731	A1C	68	68	68	69	70	70	71	72	72
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	1	1
TOTAL			184	185	186	187	188	189	190	191	192
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	11	11	11	11	11	11	11	11	11
Fire Protection Crftmn	3E771	TSG	17	17	17	17	17	17	17	17	18
Fire Protection Jrnymn	3E751	SSG	34	34	34	34	34	34	35	35	35
Fire Protection Jrnymn	3E751	SRA	56	56	56	56	56	56	56	56	56
Fire Protection Apr	3E731	A1C	72	73	74	75	76	77	77	77	77
Information Mgt Jrnymn	3A051	SSG	1	1	1	1	1	1	1	2	2
TOTAL			193	194	195	196	197	198	199	200	201

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STANDARD MANPOWER TABLE

WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Fire Protection Flight/44EF			22 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	11	11	11	11	12	12	12	12	12
Fire Protection Crftmn	3E771	TSG	18	18	18	18	18	18	18	18	18
Fire Protection Jrnymn	3E751	SSG	35	35	35	35	35	35	35	35	35
Fire Protection Jrnymn	3E751	SRA	56	56	56	56	57	57	57	57	57
Fire Protection Apr	3E731	A1C	78	79	80	81	81	81	82	83	84
Information Mgt Jrnymn	3A051	SSG	2	2	2	2	2	2	2	2	2
TOTAL			202	203	204	205	206	207	208	209	210
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1	1	1	1	1	1	1
Fire Protection Supt	3E791	SMS	1	1	1	1	1	1	1	1	1
Fire Protection Crftmn	3E771	MSG	12	12	12	12	12	12	12	12	12
Fire Protection Crftmn	3E771	TSG	18	18	18	18	18	19	19	19	19
Fire Protection Jrnymn	3E751	SSG	36	36	36	36	36	36	37	37	37
Fire Protection Jrnymn	3E751	SRA	57	58	58	58	58	58	58	58	58
Fire Protection Apr	3E731	A1C	84	84	85	86	87	87	87	88	89
Information Mgt Jrnymn	3A051	SSG	2	2	2	2	2	2	2	2	2
TOTAL			211	212	213	214	215	216	217	218	219

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC Fire Protection Flight/44EF			**APPLICABILITY MAN-HOUR RANGE** 21 - 222								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Fire Protection Mgr	3E700	CMS	1	1	1						
Fire Protection Supt	3E791	SMS	1	1	1						
Fire Protection Crftmn	3E771	MSG	12	12	12						
Fire Protection Crftmn	3E771	TSG	19	19	19						
Fire Protection Jrnymn	3E751	SSG	37	38	38						
Fire Protection Jrnymn	3E751	SRA	58	58	58						
Fire Protection Apr	3E731	A1C	90	90	91						
Information Mgt Jrnymn	3A051	SSG	2	2	2						
TOTAL			220	221	222						
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
TOTAL											

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Attachment 4

CORE VEHICLE SET #1 – VEHICLE AND MANPOWER REQUIREMENTS

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH UP TO BUT NOT INCLUDING 78 FEET
(Some examples include A-10, C-12, C-21, C-27, F-15, F-16, F-22, F-117, T-1, T-37, T-38 Aircraft (see vehicle set #5 for the B-2))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-19 - CRASH FIRE	3		
P-19 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-19 - CRASH FIRE	0		
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR TRAINING	1
P-18/26 TANKER	1	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-20	0		
HAZMAT	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
SHIFT FIREFIGHTERS	**14**	COMMUNICATIONS	5
		ADMINISTRATION	1
			13
			+37*
		TOTAL	**50**

Position Manning Factor – 2.581*
(14 X 2.581 = 36.134 or 37 Total Shift Firefighters)

BASE	BASE
Columbus	Laughlin
Indian Springs	Tyndall

Attachment 5

CORE VEHICLE SET #1 – VEHICLE AND MANPOWER REQUIREMENTS (P-XX)

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH UP TO BUT NOT INCLUDING 78 FEET
(Some examples include A-10, C-12, C-21, C-27, F-15, F-16, F-22, F-117, T-1, T-37, T-38 Aircraft (see vehicle set #5 for the B-2))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-XX - CRASH FIRE	2		
P-XX - CRASH FIRE	2	ASST FIRE CHIEFS FOR OPERATIONS	2
P-XX - CRASH FIRE	0		
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR TRAINING	1
P-18/26 TANKER	1	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-20	0		
HAZMAT	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
SHIFT FIREFIGHTERS	**12**	COMMUNICATIONS	5
		ADMINISTRATION	1
			13
			+31*
		TOTAL	**44**

Position Manning Factor – 2.581*
(12 X 2.581 = 30.972 or 31 Total Shift Firefighters)

BASE	BASE

Attachment 6

CORE VEHICLE SET #2 – VEHICLE AND MANPOWER REQUIREMENTS

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH OF 78 FEET, UP TO BUT NOT INCLUDING 150 FEET
(Some examples include C-9, C-20, C-130, 737, and MD-80 (see vehicle set #3 for AC-130))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 - CRASH FIRE	3		
P-19 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-19 - CRASH FIRE	3		
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR TRAINING	1
P-18/26 TANKER	0	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-20	0		
HAZMAT	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
SHIFT FIREFIGHTERS	**16**	COMMUNICATIONS	5
		ADMINISTRATION	1
			13
			+42*
		TOTAL	**55**

Position Manning Factor – 2.581*
(16 X 2.581 = 41.296 or 42 Total Shift Firefighters)

BASE	BASE	BASE
Cannon	Luke	Randolph
Hill	Maxwell	Shaw
Keesler	Misawa	Sheppard
Kunsan	Moody	Vandenberg

Attachment 7

CORE VEHICLE SET #2 – VEHICLE AND MANPOWER REQUIREMENTS (P-XX)

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH OF 78 FEET, UP TO BUT NOT INCLUDING 150 FEET
(Some examples include C-9, C-20, C-130, 737, and MD-80 (see vehicle set #3 for AC-130))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 - CRASH FIRE	3		
P-XX - CRASH FIRE	2	ASST FIRE CHIEFS FOR OPERATIONS	2
P-XX - CRASH FIRE	0		
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR TRAINING	1
P-18/26 TANKER	1	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-20	0		
HAZMAT	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
SHIFT FIREFIGHTERS	**13**	COMMUNICATIONS	5
		ADMINISTRATION	1
			13
			+34*
		TOTAL	**47**

Position Manning Factor – 2.581*
(13 X 2.581 = 33.553 or 34 Total Shift Firefighters)

BASE	BASE	BASE

Attachment 8

CORE VEHICLE SET #3 – VEHICLE AND MANPOWER REQUIREMENTS

FLYING INSTALLATION FOR AIRCRAFT WITH AN OVERALL LENGTH OF 150 FEET, UP TO BUT NOT INCLUDING 200 FEET
(Some examples include AC-130, B-1, B-52, C-17, C-141, KC-135, L-1011, MD-90, 727, and 767 Aircraft (see vehicle set #4 for KC-10))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 - CRASH FIRE	3		
P-23 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-19 - CRASH FIRE	3		
P-19 - CRASH FIRE	0	ASST FIRE CHIEF FOR TRAINING	1
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-18/26 TANKER	1		
P-20	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
HAZMAT	0	COMMUNICATIONS	5
SHIFT FIREFIGHTERS	**17**	ADMINISTRATION	1
			13
			+44*
		TOTAL	**57**

Position Manning Factor – 2.581*
(17 X 2.581 = 43.877 or 44 Total Shift Firefighters)

BASE	BASE	BASE	BASE	BASE
Aviano	Ellsworth	Langley	Minot	Scott
Beale	Fairchild	Lakenheath	Mountain Home	Seymour Johnson
Charleston	Grand Forks	Little Rock	Nellis	Soto Cano
Davis-Monthan	Holloman	MacDill	Patrick	Spangdahlem
Dyess	Hurlburt	McChord	Peterson	Tinker
Eglin	Kirtland	McConnell	Pope	
Eielson				

Attachment 9

CORE VEHICLE SET #3 – VEHICLE AND MANPOWER REQUIREMENTS (P-XX)

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH OF 150 FEET, UP TO BUT NOT INCLUDING 200 FEET
(Some examples include AC-130, B-1, B-52, C-17, C-141, KC-135, L-1011, MD-90, 727, and 767 Aircraft (see vehicle set #4 for KC-10))
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 - PUMPER	4	FIRE CHIEF	1
P-22/24 - PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 - CRASH FIRE	3		
P-23 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-XX - CRASH FIRE	2		
P-XX – CRASH FIRE	0	ASST FIRE CHIEF FOR TRAINING	1
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-18/26 TANKER	1		
P-20	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
HAZMAT	0	COMMUNICATIONS	5
SHIFT FIREFIGHTERS	**16**	ADMINISTRATION	1
			13
			+42*
		TOTAL	**55**

Position Manning Factor – 2.581*
(16 X 2.581 = 41.296 or 42 Total Shift Firefighters)

BASE	BASE	BASE	BASE	BASE

Attachment 10

CORE VEHICLE SET #4 – VEHICLE AND MANPOWER REQUIREMENTS

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH OF 200 FEET, UP TO BUT NOT INCLUDING 250 FEET
(Some examples include E-4, KC-10, MD-11, 747, and 777 Aircraft)
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 – PUMPER	4	FIRE CHIEF	1
P-22/24 – PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 – CRASH FIRE	3		
P-23 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-23 - CRASH FIRE	3		
P-19/XX - CRASH FIRE	0	ASST FIRE CHIEF FOR TRAINING	1
P-10/28 - CRASH RESCUE	3	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-18/26 TANKER	1		
P-20	0	FIRE PREVENTION INSPECTOR/EDUCATOR	1
HAZMAT	0	COMMUNICATIONS	5
SHIFT FIREFIGHTERS	**17**	ADMINISTRATION	1
			13
			+44*
		TOTAL	**57**

Position Manning Factor – 2.581*
(17 X 2.581 = 43.877 or 44 Total Shift Firefighters)

BASE	BASE
Barksdale	Offutt
Hickam	Osan
McGuire	Wright-Patterson

Attachment 11

CORE VEHICLE SET #5 – VEHICLE AND MANPOWER REQUIREMENTS

FLYING INSTALLATION FOR
AIRCRAFT WITH AN OVERALL LENGTH OF 250 FEET, UP TO BUT NOT INCLUDING 300 FEET, AND/OR OVER 23 FEET IN WIDTH
(Some examples include B-2, C-5, and VC-25 Aircraft)
Allowance Standard 019

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 – PUMPER	4	FIRE CHIEF	1
P-22/24 – PUMPER/QUINT	0	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-23 – CRASH FIRE	3		
P-23 - CRASH FIRE	3	ASST FIRE CHIEFS FOR OPERATIONS	2
P-23 - CRASH FIRE	3		
P-23 - CRASH FIRE	3	ASST FIRE CHIEF FOR TRAINING	1
P-19/XX - CRASH FIRE	0	ASST FIRE CHIEF FOR FIRE PREVENTION	1
P-10/28 - CRASH RESCUE	3		
P-18/26 TANKER	1	FIRE PREVENTION INSPECTOR/EDUCATOR	1
P-20	0	COMMUNICATIONS	5
HAZMAT	0	ADMINISTRATION	1
SHIFT FIREFIGHTERS	**20**		13
			+52*
		TOTAL	**65**

Position Manning Factor – 2.581*
(20 X 2.581 = 51.620 or 52 Total Shift Firefighters)

BASE	BASE	BASE	BASE
Altus	Edwards	Mildenhall	Whiteman
Andersen	Elmendorf	Ramstein	Yokota
Andrews	Kadena	Robins	
Dover	Kelly	Travis	

Attachment 12

CORE STRUCTURAL FIRE DEPARTMENT VEHICLE AND MANPOWER REQUIREMENTS

NON-FLYING INSTALLATION

CORE VEHICLE SET	MANPOWER	MANAGEMENT	MANPOWER
P-22/24 – PUMPER	4	FIRE CHIEF	1
P-22/24 – PUMPER/QUINT	4	ASST CHIEF FOR OPERATIONS READINESS AND LOGISTICS	1
P-10/28 - CRASH RESCUE	3		
HAZMAT	0	ASST FIRE CHIEFS FOR OPERATIONS	2
SHIFT FIREFIGHTERS	**11**		
		ASST FIRE CHIEF FOR TRAINING	1
		ASST FIRE CHIEF FOR FIRE PREVENTION	1
		FIRE PREVENTION INSPECTOR/EDUCATOR	1
		COMMUNICATIONS	5
		ADMINISTRATION	1
			13
			+29*
		TOTAL	**42**

Position Manning Factor – 2.581*
(11 X 2.581 = 28.391 or 29 Total Shift Firefighters)

BASE	BASE	BASE	BASE
Brooks	F.E.Warren	Lackland	Molesworth
Croughton	Hanscom	Malmstrom	★AF Academy

Attachment 13

VARIANCE APPLICABILITY MATRIX

VAR	AFA	AETC	USAFE	ACC	AMC	AFMC	PACAF	AFSOC	AFSPC
A13.1	X	X	X	X	X	X	X	X	X
A13.2		X		X	X	X			X
A13.3	X	X	X	X	X	X	X		
A13.4		X	X	X		X			
A13.5	X	X	X	X	X	X	X		X

Attachment 14

VARIANCES

PART 1 Approved Variances and Core ARFF/Structural Fire Fighting Vehicle Sets and Manpower:

VARIANCE NUMBER	TITLE
A13.1	Additional Structural Fire Fighting Vehicle(s).
A13.2	Additional Aircraft Rescue Fire Fighting (ARFF) Vehicle(s).
A13.3	Auxiliary Flying Fields.
A13.4	Geographically Separated Units (GSUs).
A13.5	Fire Prevention Inspector Requirement.

PART 2 Disallowed Variances. The following variances were considered during the development of this AFMS, but, due to various reasons, were disallowed by the AF/CE, AF/PE, MAJCOM Intergration Review Teams, or the Objective Flight Study Team. Therefore, they did not receive a special variance manpower allocation. Reasons for the decision were: resource limitations, work considered to be in the core or tohter variances, work normally contracted, work not the responsibility of the BCE, and work considered to be at a standard higher than an acceptable level. Related work processes are not prohibited, but when required, must be accomplished within available resources.

1. Helicopter Medivac
2. Fire Alarm Communications Center (FACC)
3. Hazardous Material Vehicle (HAZMAT) Requirement
4. Welding Inspection
5. Confined Space Entry Training
6. Extinguisher Maintenance
7. Family Housing Inspection
8. District Chiefs
9. Special Projects Support
10. Chloro-Fluoro Carbon (CFC) Controls
11. Fire Prevention Engineering Technician Position
12. Underground Storage Tank Inspection and Certification
13. Water Resupply Vehicle
14. Site Visits
15. AFRC Training
16. Working Group Meetings
17. Second Rescue Vehicle
18. Combined Fire Chief Duties
19. Aerial Ladder Truck
20. Technical Surveillance Monitor

21. Wildland Fire Fighting Handcrew
22. Mobility Positions
23. Cross-Manning Additive
24. Fire Hose Testing
25. Adjusted Position Manning Factor For Lajes

VARIANCES

FIRE PROTECTION FLIGHT

★**A13.1. Title.** Positive Mission Variance for Additional Structural Fire Fighting Vehicle(s).

★A13.1.1. **Definition:** This variance applies to installations having detached fire stations with permanently assigned structural fire fighting vehicle(s) and manpower due to DoD minimum travel time requirements or installations with a basic fire flow requirement in excess of 3,000 gallons per minute (GPM). Minimum travel time is based upon the amount of time it takes for a piece of structural fire fighting apparatus to travel from the fire station to the incident. The first structural fire fighting vehicle (pumper) shall arrive within five minutes to 90% of all structural alarms, and remaining structural unit(s) shall arrive within 10 minutes to 90% of all alarms within the main base proper. Travel time for the first structural fire fighting vehicle to outlying facilities, including family housing, shall not exceed seven minutes and the remaining units shall arrive within 14 minutes. (Maximum travel times do not apply to specialized fire apparatus). Additional structural fire fighting vehicle(s) are authorized for outlying areas when travel time cannot be met. Automatic aid agreements with civilian fire departments (that meet DOD criteria) will be considered when additional structural fire fighting vehicles are required. An additional staffed structural fire fighting apparatus will be required when remaining units cannot arrive within 10 minutes. Automatic aid agreements with civilian fire departments will be considered when the second structural fire fighting vehicle is required. Installation Commanders will approve and MAJCOM Civil Engineers will validate the need for additional structural fire fighting vehicles and staffing requirements for abnormally large facilities, which could present the potential for large fire loss impacting mission support.

★A13.1.2. **Applicability and Impact:**

BASE	FRACTIONAL MANPOWER	BASE	FRACTIONAL MANPOWER
★ AF Academy	20.648	MacDill	10.324
Andersen	10.324	McConnell	10.324
Andrews	10.324	Mildenhall	10.324
Aviano	20.648	Minot	10.324
Barksdale	10.324	Misawa	20.648
Beale	20.648	Molesworth	20.648
Davis-Monthan	10.324	Mountain Home	10.324
Edwards	30.972	Nellis	20.648
Eglin	41.296	Offutt	10.324

Eielson	10.324		Peterson	10.324
Ellsworth	10.324		Ramstein	10.324
Elmendorf	20.648		Robins	10.324
Fairchild	10.324		Scott	10.324
F.E. Warren	10.324		Seymour Johnson	10.324
Hill	30.972		Shaw	10.324
Holloman	10.324	★	Tinker	30.972
Hurlburt	10.324		Travis	10.324
Kadena	51.620		Tyndall	10.324
Kelly	10.324	★	Vandenberg	41.296
Kirtland	30.972		Whiteman	10.324
Lakenheath	30.972	★	Wright-Patterson	28.391
Langley	10.324		Yokota	20.648

★A13.1.3. **Source of Impact.** DoDI 6055.6, AS 019 and Mil-Hdbk-1008C.

★A13.1.4. **Special Application Instructions.** If the base is authorized an additional structural fire fighting vehicle(s) and staffing at the main base fire station under this variance, the staffing (4 x 2.581 (PMF)) will be added once the base earns its third structural fire fighting vehicle. This will allow for cross-staffing of the second structural fire fighting vehicle in the core vehicle set located at combination fire stations. The number of staffed structural fire fighting vehicles is determined on the basis of 1,000 gallon per minute pumpers, regardless of the actual capacity of the pumpers on hand, and is calculated by dividing the basic fire flow by 1,000. When the remainder exceeds 500, an additional structural fire fighting vehicle is normally required. The needed fire flow is defined as the amount of water considered necessary to control a major fire in a specific building. The fire flows are figured on unsprinklered facilities. The minimum number of structural fire fighting vehicles for an installation is two. All additional structural vehicles for either the main or detached fire stations due to response times, fire flow requirements, or mission will receive four manpower positions per shift.

A13.2. Title. Positive Mission Variance for Additional Aircraft Rescue Fire Fighting (ARFF) Vehicle.

★A13.2.1. **Definition.** Authorization criteria for ARFF (fire suppression vehicles i.e., P-19/23) vehicles are based on minimum response time requirements and support for multiple runways and increased aircraft operations. The ARFF vehicles must be capable of responding to any incident on the runways or overruns within one minute after prepositioning for an announced emergency and to any incident on the runways or overruns within three minutes for an unannounced emergency. Response times apply to the first arriving ARFF vehicle in either situation. The other remaining ARFF (fire suppression) vehicles, necessary to deliver the agent discharge rate listed in NFPA 403 table 3-3.1(a), must arrive at intervals not exceeding 30 seconds. As the P-19 ARFF vehicle is replaced with the new P-XX ARFF vehicles, the manpower will change from three to two positions.

★A13.2.2. **Applicability and Impact:**

	BASE	FRACTIONAL MANPOWER	WITH P-XX
★	Columbus	7.743	5.162
	Davis-Monthan	7.743	5.162
★	Eglin	30.972	23.229
	Holloman	7.743	5.162
	Kirtland	7.743	7.743
★	Laughlin	7.743	5.162
	Luke	7.743	5.162
	Nellis	7.743	5.162
★	Peterson	7.743	7.743
★	Randolph	7.743	5.162
	Robins	2.581	2.581
	Seymour Johnson	7.743	5.162
★	Sheppard	7.743	5.162
	Travis	7.743	7.743

★A13.2.3. **Source of Impact.** DoDI 6055.6, AS 019 and NFPA Standard 403.

A13.3. Title. Positive Mission Variance for Auxiliary Flying Fields.

★A13.3.1. **Definition.** Installations having auxiliary flying fields are authorized additional ARFF vehicle(s) and a P-18/26 vehicle (Ref. AS 019).

A13.3.2. **Applicability and Impact:**

	BASE	FRACTIONAL MANPOWER	WITH P-XX
★	AF Academy	15.486	12.905
★	Andersen	3.000	2.000
	Cannon	10.324	7.743
★	Columbus	8.000	6.000
	Dyess	8.000	6.000
	Edwards	28.391	25.810
★	Eglin	25.810	23.229
	Eielson	6.000	4.000
★	Elmendorf	9.000	8.000
	Holloman	15.486	10.324
★	Kirtland	8.000	6.000
	Lackland	2.581	2.581
★	Laughlin	8.000	6.000
	Little Rock	10.324	7.743
	Luke	10.324	7.743
★	Mildenhall	8.000	6.000
	Moody	8.000	6.000
★	Pope	20.648	15.486
★	Randolph	8.000	6.000
★	Sheppard	8.000	6.000
★	Tyndall	8.000	6.000

★A13.3.3. **Source of Impact.** AS 019.

A13.3.4. **Special Application Instructions.** Positions are based upon auxiliary flying field operation hours. For locations operating up to 12 hours, each ARFF vehicle(s) receives 3 positions per shift. For locations operating more than 12 hours, each ARFF vehicle(s) receives 3 positions (7.743). Locations not having a water supply will require a water tanker and will require either one-position (2.581) for more than 12 hours or one person per shift for less than 12 hours. As the P-19 ARFF vehicle is replaced with the new P-XX ARFF vehicles, the manpower will change from three to two positions.

A13.4. Title. Positive Environmental Variance for Geographically Separated Units (GSUs).

A13.4.1. **Definition.** ARFF and/or structural vehicles are authorized at gunnery/bomb ranges and off-site weapon storage areas to support airfield and structural missions where no aircraft are assigned (Ref. AS 019). This requirement is determined by the Installation Commander and MAJCOM Civil Engineer.

A13.4.2. **Applicability and Impact:**

	BASE	FRACTIONAL MANPOWER	WITH P-XX		BASE	FRACTIONAL MANPOWER	WITH P-XX
★	Edwards	28.391	28.391		Ramstein	98.078	98.078
★	Eglin	64.525	59.363		Shaw	2.581	2.581
	Maxwell	28.391	28.391	★	Spangdahlem	20.648	20.648

A13.4.3. **Source of Impact.** DoDI 6055.6 and AS 019.

A13.4.4. **Special Application Instruction.** 7.743 fractional manpower requirements for an ARFF vehicle (5.162 positions for the P-XX) and 10.324 fractional manpower requirements for a pumper to provide 24-hour/7-day/week shift coverage (i.e., four positions/shift are required for a pumper and three positions per shift for an ARFF vehicle.

A.13.5. Title. Positive Mission Variance for Fire Prevention Inspector Requirement.

A13.5.1. **Definition.** Large bases will be authorized additional Fire Inspector(s) to support the Fire Prevention Program. A large base is defined as a base with more than 5 million square feet of floor space. This is the total floor space square footage with Real Property Control Codes of A and D, excluding Military Family Housing (MFH). MFH is identified by Real Property Codes beginning with 711. Refer to the special application instructions for the method used to determine additional manpower. Total square footage is in thousands (KSF).

A13.5.2. **Applicability and Impact:**

	BASE	FRACTIONAL MANPOWER		BASE	FRACTIONAL MANPOWER
★	AF Academy	1.000		Maxwell	1.000
	Andrews	1.000		Misawa	1.000
★	Edwards	2.000		Nellis	1.000
★	Eglin	2.000		Offutt	1.000
	Elmendorf	2.000		Osan	1.000
	Hickam	1.000		Ramstein	2.000
★	Hill	3.000	★	Robins	3.000

	Holloman	1.000		Sheppard	1.000
	Kadena	2.000		Tinker	3.000
	Keesler	1.000		Travis	1.000
	Kelly	3.000		Vandenberg	1.000
	Kirtland	1.000	★	Wright-Patterson	4.000
	Lackland	2.000		Yokota	1.000

A13.5.3. **Source of Impact.** DoDI 6055.6.

A13.5.4. **Special Application Instructions.** (Square feet expressed in thousands)

5,001 - 8,500 = +1
8,500 - 12,500 = +2
12,501 - 17,500 = +3
17,501 and above = *

* Handled on a case-by-case basis.